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R 201848Z NOV 68 FM NPIC WASHDC TO RUEOJFA/DIA (DIAXX-2) RUEOJFA/JCS (JRC) 19 11z RUEFHQA/HQ USAF FOR AFNICAD & AFRDRP RHCOAAA/SAC (DIR) RHCOAAA/544TH ARTW OFFUTT AFB RUWMDDA/9 SRW (DCI) RUHHHQA/CINCPAC å RUHHBRA/CINCPACFLT RUHHABA/CINCPACAF (DIR) RUHHRGA/CINCUSARPAC RUCIFGA/AERONAUTICAL SYSTEMS DIV (ASZB), WPAFB OHIO PP&H/RD BTCITE NPIC 5073. SECRET TESU SUBJECT: EVALUATION OF MISSION 8298-CH (NOD) AND COMPARISON GS-13. 1. MISSION 8293-CH (MOD), FLOWN 24 OCTOBER 1968, EMPLOYED THESCYCO SAME SENSORS AS WERE USED ON GIANT SCALE MISSION S-018. KAD REPRO AID 1.53 PROD 25X1 PAGE 2 RUEADJU 68 S E C R E T EVALUATION WAS PERFORMED ON THE RIGHT AND LEFT TECHNICAL OBJECTIVE CAMERAS AND THE RIGHT AND LEFT OPERATIONAL OBJECTIVE CAMERAS. 197,87 2. CLOUDS OBSCURE APPROXIMATELY 35 PERCENT OF THE MISSION. BAST 3. QUALITY SUMMARY:
A. LEFT TECHNICAL OBJECTIVE CAMERA, S/N 6421: 1685 (1) A MALFUNCTION IN THE CYCLING OF THE CAMERA OCCURRED INTERMITTENTLY THROUGHOUT THE MISSION. THE FILM TRANSPORT APPEARS TO HAVE OPERATED NORMALLY, HOWEVER, IN MANY CASES THE REMAINDER OF AXA THE CYCLE WAS NOT COMPLETED; THE SHUTTER DID NOT OPERATE, THE DEPRESSION ANGLE DID NOT CHANGE, AND THE DATA CHAMBER WAS NOT 25X1 IMAGED. THE MALFUNCTION CAUSED OVER 200 UNEXPOSED FRAMES TO BE COME TRANSPORTED. (2) THE IMAGE QUALITY THROUGH THE FIRST LEG OF FHE 25X1 MISSION IS GOOD. THE BEST GROUND RESOLUTION IS ESTIMATED TO BE FEET. HOWEVER, AFTER THE OFF/ON AT FRAME 809 THE IMAGERY APPEARS TO BE OUT OF FOCUS. THE DEGRADATION APPEARS SIMILAR TO THAT NOTED BY ANITIZED PREVIOUS MISSIONS OF THIS TYPE. THE RESOLUTION IS ESTIMATED TO WELL TEXT AFTER FRAME 809. 25X1 B. RIGHT TECHNICAL OBJECTIVE CAMERA, S/N 6422: 25X1 PAGE 3 RUEADJU 68 S E C R E T (1) THE CAMERA WAS OPERATIONAL THROUGHOUT THE MISSION. FRAME 602 WAS DAMAGED BECAUSE OF POOR ALIGNMENT ON A SPLICE IMMEDIATELY PRECEEDING THE FRAME. (2) THE GROUND RESOLUTION IS SIMILAR TO THAT OF THE LEFT TECHNICAL OBJECTIVE CAMERA WITH THE BEST BEING ESTIMATED TO BE DEGRADATION SIMILAR TO THAT AFFECTING THE LEFT TECHNICAL OBJECTIVE CAMERA IS ALSO NOTED ON THIS PHOTOGRAPHY AFTER THE OFF/ON AT FRAME 914. C. LEFT OPERATIONAL OBJECTIVE CAMERA, S/N 4029: (1) THE CAMERA WAS OPERATIONAL THROUGHOUT. (2) THE GROUND RESOLUTION ON THE FIRST LEG OF THE MISSION IS ESTIMATED TO BE HOWEVER, AFTER THE OFF/ON AT FRAME 838, 25X1

IMAGE DEGRADATION SIMILAR TO THAT NOTED ON THE TECHNICAL OBJECTIVE CAMERA MATERIAL IS APPARENT. THE RESOLUTION AFTER FRAME 838 IS 25X1 ESTIMATED TO BE D. RIGHT OPERATIONAL OBJECTIVE CAMERA, S/N 4030: (1) THE RIGHT SIDE OF THE DATA CLOCK IS UNREADABLE. (2) RESOLUTION AT THE BEGINNING OF THE MISSION IS SIMILAR TO THAT OF THE LEFT OPERATIONAL OBJECTIVE CAMERA MATERIAL. 25X1 PAGE 4 RUEADJU 68 S E C R E T AFTER THE OFFION AT FRAME 839 THE RESOLUTION IS ESTIMATED TO BE 25X1 4. THE IMAGERY ON MISSION 829C IS BETTER THAN THAT OF GIANT SCALE SØ18 THROUGHOUT THE FIRST LEG OF THE MISSION. HOWEVER, IMAGERY ON THE REMAINDER OF THE MISSION IS MORE IN LINE WITH QUALITY OF THE IMAGERY ON SØ18. GP-1 SECRET 25X1 END OF MESSAGE